

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:35 ; Search time 140.11 Seconds
(without alignments)
8.074 Million cell updates/sec

Title: US-09-331-631a-3_COPY_186_248

Perfect score: 353

Sequence: 1 KRDPQOREYEDRCRRCEQOE.....LINDRCGSGRVEGEKQS 63

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
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4: /cgn2_6/ptodata/2/1aa/PCTRUS.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	118.5	33.6	566	1	US-07-955-905A-2
2	118.5	33.6	566	1	US-07-955-905A-22
3	111.5	31.6	587	1	US-07-955-905A-23
4	71.5	20.3	1898	1	US-08-056-200-94
5	71.5	20.3	1898	2	US-08-800-644-94
6	67	19.0	1162	2	US-08-728-323A-2
7	66	18.7	614	4	PCF-US95-03236-21
8	65.5	18.6	816	2	US-08-267-803B-9
9	65	18.4	571	1	US-07-955-905A-25
10	65	18.4	2476	2	US-08-276-967-2
11	64.5	18.3	34	2	US-08-822-561-1
12	64.5	18.3	361	1	US-08-415-751-4
13	63	17.8	365	1	US-08-437-027-20
14	63	17.8	449	1	US-08-102-942A-4
15	63	17.8	449	1	US-08-102-942A-6
16	63	17.8	2703	1	US-08-185-432-19
17	62	17.6	360	2	US-08-531-927B-2
18	61	17.3	423	1	US-08-523-376-3
19	59.5	16.9	220	4	PCF-US95-03236-36
20	59	16.7	260	3	US-08-558-135-7
21	59	16.7	432	2	US-08-933-750C-47
22	59	16.6	432	3	US-09-234-613-47
23	58.5	16.6	517	1	US-08-190-802A-30
24	58	16.4	362	1	US-08-437-027-21
25	58	16.4	363	3	US-08-651-999A-4
26	58	16.4	429	1	US-08-234-783-4
27	58	16.4	429	1	US-08-456-907-4
28	58	16.4	429	4	PCF-US95-05523-4

29	58	16.4	788	2	US-08-918-914-4	Sequence 4, Appl1
30	58	16.4	795	1	US-07-716-827C-5	Sequence 5, Appl1
31	58	16.4	1350	2	US-08-319-866-9	Sequence 9, Appl1
32	57	16.1	450	2	US-08-665-037-2	Sequence 2, Appl1
33	57	16.1	450	2	US-08-666-067-2	Sequence 2, Appl1
34	57	16.1	450	2	US-08-732-870-2	Sequence 2, Appl1
35	57	16.1	930	3	US-09-283-743-2	Sequence 2, Appl1
36	57	16.1	1805	1	US-07-853-913-2	Sequence 2, Appl1
37	56.5	16.0	2441	3	US-08-194-468-2	Sequence 2, Appl1
38	56.5	16.0	2441	3	US-08-961-739-2	Sequence 2, Appl1
39	56	15.9	55	1	US-08-469-427A-3	Sequence 3, Appl1
40	56	15.9	55	2	US-08-609-443B-3	Sequence 3, Appl1
41	56	15.9	55	2	US-08-569-063C-3	Sequence 3, Appl1
42	56	15.9	77	2	US-08-570-227A-11	Sequence 11, Appl1
43	56	15.9	188	1	US-08-469-427A-5	Sequence 5, Appl1
44	56	15.9	188	2	US-08-609-443B-5	Sequence 5, Appl1
45	56	15.9	188	2	US-08-569-063C-5	Sequence 5, Appl1

ALIGNMENTS

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RESULT 1
US-07-955-905A-2
; Sequence 2, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 566 amino acids
; TYPE: amino acid
; TOPOLOGY: Linear
; MOLECULE TYPE: protein
US-07-955-905A-2

Query Match 33.6%; Score 118.5; DB 1; Length 566;
Best Local Similarity 41.2%; Pred No.66-06; Indels 9; Gaps 4;
Matches 28; Conservative 14; Mismatches 17;

QY 1 KRDPQOREYEDRCRRCEQOE--EPKQYOCORRC---RQDQOHGRCGLINDRCGSGR 54
:||||:|||||:||||:|:|:|||||:|||||:|:|
DB 35 ERDPKQ-OREQORCESATEREBOEQCEORCERYKQQRQOE--ELQRYQYQCCGR 91
:||||:|||||:||||:|:|:|||||:|||||:|:|
QY 55 YEEGEKQ 62
:|:|:|
DB 92 CQEQQOQOQ 99

RESULT 2
US-07-955-905A-22
; Sequence 22, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 566 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORGANISM: Theobroma cacao
FEATURE:
NAME/KEY: Protein
LOCATION: 1..566
OTHER INFORMATION: /note= "67 kD Precursor Protein"
US-07-955-905A-22

Query Match 33.6%; Score 118.5; DB 1; Length 566;
Best Local Similarity 41.2%; Pred. No. 6e-06; Indels 9; Gaps 4;
Matches 28; Conservative 14; Mismatches 17;

QY 1 KRDPOREYEDCRRRCCEQ--EPPOYOCCORC---REOQOHGSGDLINPQSGSR 54
DB 35 ERDPRQ-QYEGQORCESEATEREGCEQRCERKYNQQRQER--ELQNOYQCCQR 91

QY 55 YEEGEEKQ 62
DB 92 COEQOQOQ 99

RESULT 3
US-07-955-905A-23
Sequence 23, Application US/07955905A
Patent No. 5770433
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
NUMBER OF SEQUENCES: 28
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/955,905A
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 587 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Gossypium hirsutum
FEATURE:
NAME/KEY: Protein
LOCATION: 1..587
OTHER INFORMATION: /note= "Vicilin from G. hirsutum"
US-07-955-905A-23

Query Match 31.6%; Score 111.5; DB 1; Length 587;
Best Local Similarity 52.4%; Pred. No. 3.8e-05;
Matches 22; Conservative 8; Mismatches 7; Indels 5; Gaps 2;

QY 3 DPQOREYEDCRRRCCEQEPPOYOCCORC---REOQOHGR 40

DB 81 DPQR-YEECQCECRQEEERQPCQOQRCIKRFEQOQOQOQSR 121

RESULT 4
US-08-056-200-94
Sequence 94, Application US/08056200
Patent No. 5616500
GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
APPLICANT: Park, Sang-Chul
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobb, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/056,200
FILING DATE: 30-APR-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Fredrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054,001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502
INFORMATION FOR SEQ ID NO: 94:
SEQUENCE CHARACTERISTICS:
LENGTH: 1898 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-056-200-94

Query Match 20.3%; Score 71.5; DB 1; Length 1898;
Best Local Similarity 37.3%; Pred. No. 4.1;
Matches 22; Conservative 10; Mismatches 24; Indels 3; Gaps 2;

QY 1 KRDPOREYEDCRRRCCEQEPPOYOCCORCCEQ--RQHGSGDLINPQSGSGRYEE 57
DB 1723 ERDRKFRFEEOQLRQGRQQLRSQ--ESDRKFRFEEOQLRQGRQQLRPOQROGKRYMEE 1780

RESULT 5
US-08-800-644-94
Sequence 94, Application US/08800644
Patent No. 5958752
GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
APPLICANT: Park, Sang-Chul
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobb, Martens, Olson & Bear

QY 51 GSGRYEEG 58


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; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-102-942A-6
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Query Match 17.8%; Score 63; DB 1; Length 449;
Best Local Similarity 25.0%; Pred. No. 8.2;
Matches 15; Conservative 14; Mismatches 25; Indels 6; Gaps 1.

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QY      4 PQQREYEDCRRRCRCEQDEPPRQYQOCR-----RCREQQRQHGREGDLINPQRGSGCHYEE 57
      | | ::::| | | : ::::| : | | : | : |
Db    352 PYQCDFKDCERRSRSDQLKRHQRRHGVKPFQCKTCQKFKSRSDHLKTHRTHTHTCTSE 411

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Search completed: March 1, 2001, 15:49:36
Job time: 381 sec

